



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

### CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010581  
CERTIFICATION DATE: October 11, 2013  
DATE RECERTIFICATION DUE: April 9, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Melissa Kennedy

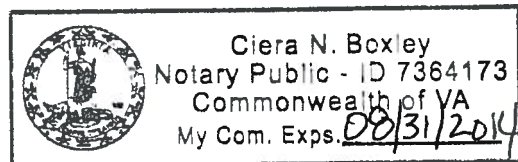
Program Manager, Calibration & Training

CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 4th day of November, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014  
TLN



DBH  
NMJ

**Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
1/1/1990 To 10/16/2013**

**Instrument Serial Number: 010581**

**As of 16-Oct-13**

<b>Maintenance Date</b>	<b>Certification Date</b>	<b>Technician Initials</b>	<b>Remarks</b>
11-Oct-13	11-Oct-13	DBH (21250)	REPLACED KEYBOARD. FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
06-Jun-13	06-Jun-13	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
04-Mar-13	27-Feb-13	TLN (25387)	CORRECTED DRY GAS STANDARD EXPIRATION DATE IN INSTRUMENT MEMORY.
27-Feb-13	27-Feb-13	DBH (21250)	CERTIFIED.
25-Oct-12	25-Oct-12	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
04-Mar-10	04-Mar-10	HMS (18910)	CALIBRATED AND CERTIFIED.
22-Feb-10	23-Sep-09	HMS (18910)	RESET PRINTER.
20-Jan-10	23-Sep-09	HMS (18910)	REPLACED DRY GAS STANDARD.
23-Sep-09	23-Sep-09	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED.
09-Jul-09	21-Apr-09	HMS (18910)	REPLACED DRY GAS STANDARD.
21-Apr-09	21-Apr-09	HMS (18910)	CERTIFIED.
04-Mar-09	04-Mar-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
25-Dec-08	25-Dec-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH  
NKH

## INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010581 Worksheet Start Date 10/11/2013

Location Scott CO SO *max 10/25/13*

Address 267 Willow St Suite 102 Gate City VA 24251

DFS Technician Donald Hall License No. 21250

☐ Laboratory ☒ On-Site

### Site Specifications

Yes No

**1 Secured Environment:**

Location must not be accessible to the general public.

☒ ☐

**2 Environment free from contaminants**

☒ ☐

**3 Dedicated telephone line:**

The phone line should be used solely by the instrument.

☒ ☐

**4 Adequate Ventilation:**

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

**5 Stable temperature controls:**

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

**6 115VAC power source:**

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

**7 Room Condition:**

The site should be free of excessive moisture, heat and dust.

☒ ☐

	Old serial no.	New serial no.	Supplies
E-Seek			Mouthpieces
Keyboard	6ghz142091	6ghz142034	Certificates of Analysis
Printer			Operator Worksheet
UPS			Other:

Maintenance (if any)

Replaced keyboard. Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010581

Certification Date 10/11/2013

Instrument Barometer (mm HG) 728

Reference Barometer (mm HG) 732

Reference Barometer(RB)Serial # 009110

RB Calibration Due 5/30/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.238
0.250	0.240	0.232	0.247	Sample 2	0.238
Precision		sample min	sample max	Sample 3	0.237
0.001		0.237	0.238		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.143
0.150	0.144	0.139	0.148	Sample 2	0.143
Precision		sample min	sample max	Sample 3	0.143
0		0.143	0.143		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.077
0.080	0.077	0.074	0.080	Sample 2	0.077
Precision		sample min	sample max	Sample 3	0.077
0		0.077	0.077		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.019	0.016	0.022	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☐ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG230501-37

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.096
0.100	0.096	0.093	0.099	Sample 2	0.096
Precision		sample min	sample max	Sample 3	0.096
0		0.096	0.096		

DFS Technician

*Dorinda B Hall*

Date

10/25/13

10/16/13

Issuing Analyst

*Melissa Kennedy*

Date

10/25/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

DFS Document 250-F113

Revision 6

Page 2 of 2




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>DBH 10/25/13</b> INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 10/11/2013
TEST EQUIPMENT NUMBER 010581		

10:33 EDT

RESULTS: TIME SAMPLE TAKEN 0.00

SAMPLE'S ALCOHOL CONTENT \_\_\_\_\_ GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20 \_\_\_\_\_.

BREATH TEST OPERATOR
----------------------

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 11 Oct 2013 at 11:00

TLN  
DBH  
JSH

## Test Results

Instrument Serial Number 010581

Test # 001556 Subject Test

Test Location 1 Department of  
Test Date 11 Oct 2013

Test Location 2 Forensic Science  
Test Time 10:26  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name HALL

Operator's First Name DONALD

Operator's Middle Initial B

Agency DFS Central Lab

License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 11 Oct 2013 End Time 10:34

Result Time 10:33

Result Date 11 Oct 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 10:27

Data Type BLK

Sample Value 0.000

Sample Time 10:28

Data Type CHK

Sample Value 0.097

Sample Time 10:28

Data Type BLK

Sample Value 0.000

Sample Time 10:30

Data Type SUBJ

Sample Value 0.000

Sample Time 10:30

Data Type BLK

Sample Value 0.000

Sample Time 10:31

Data Type SUBJ

Sample Value 0.000

Sample Time 10:33

Data Type BLK

Sample Value 0.000

Sample Time 10:34

Standard Type Dry Gas Std

Standard Value 0.096

Standard Lot Number AG230501-37

Standard Expiration Date 10/31/2014

Tank Pressure 1051

Barometric Pressure 728 mmHg

Blow Sample Number 1 Blow Duration 3.54 sec

Blow Volume 1801 cc End-of-Blow Time 10:30

Blow Sample Number 2 Blow Duration 3.62 sec

Blow Volume 1802 cc End-of-Blow Time 10:33

Tamper Evident Stamp 93fa4fc8

Test Status Code 0

Test Status Success

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010581      Test Number: 1557

Test Date: 10/11/2013      Test Time: 10:36 EDT

Dry Gas Target: 0.096

Lot Number: AG230501-37      Exp Date: 10/31/2014

Tank Pressure: 1041 psi      Barometric Pressure: 728 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:37
CHK	0.097	10:38
BLK	0.000	10:39
CHK	0.097	10:40
BLK	0.000	10:41
CHK	0.097	10:42

Test Status: *Success*

Calibration CRC: CA45707D

D6H

NDL

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010581      Test Number: 1558

Test Date: 10/11/2013      Test Time: 10:45 EDT

Dry Gas Target: 0.287

Lot Number: AG322702-04      Exp Date: 08/15/2015

Tank Pressure: 203 psi      Barometric Pressure: 728 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:46
CHK	0.288	10:47
BLK	0.000	10:48
CHK	0.287	10:49
BLK	0.000	10:51
CHK	0.287	10:52

Test Status: *Success*

Calibration CRC: CA45707D

DBH

MSL



**Intox EC/IR-II: Software Version**

*Department of Forensic Science*

Serial Number: 010581

System Date: 10/11/2013

System Time: 11:17 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

DBH

WJL

**Intox EC/IR-II: Calibration**

*Department of Forensic Science*

Serial Number: 010581      Test Number: 1559

Test Date: 10/11/2013      Test Time: 11:19 EDT

Dry Gas Target: 0.096

Lot Number: 0651210013-05      Exp Date: 04/01/2014

Tank Pressure: 389 psi      Barometric Pressure: 728 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:20
CAL	0.096	11:21

Test Status: *Success*

Calibration CRC: 2692676C

DBH

NSK

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010581      Test Number: 1560  
Test Date: 10/11/2013      Test Time: 11:33 EDT

Technician Initials: DBH

Dry Gas Target: 0.240

Lot Number: 2961225012-10      Exp Date: 11/01/2014

Tank Pressure: 193 psi      Barometric Pressure: 728 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:34
BLK	0.000	11:34
CHK	0.238	11:35
BLK	0.000	11:37
CHK	0.238	11:37
BLK	0.000	11:39
CHK	0.237	11:40
BLK	0.000	11:41

**Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

**Intox EC/IR-II: Certification**

DBH

*Department of Forensic Science*

Serial Number: 010581      Test Number: 1561  
Test Date: 10/11/2013      Test Time: 11:45 EDT

MLK

Technician Initials: DBH

Dry Gas Target: 0.144

Lot Number: 2951215012-03      Exp Date: 11/01/2014

Tank Pressure: 865 psi      Barometric Pressure: 728 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:45
BLK	0.000	11:46
CHK	0.143	11:46
BLK	0.000	11:48
CHK	0.143	11:49
BLK	0.000	11:50
CHK	0.143	11:51
BLK	0.000	11:52

**Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010581      Test Number: 1562  
Test Date: 10/11/2013      Test Time: 11:55 EDT

Technician Initials: DBH

Dry Gas Target: 0.077

Lot Number: 0651208012-03      Exp Date: 04/01/2014

Tank Pressure: 159 psi      Barometric Pressure: 728 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:56
BLK	0.000	11:56
CHK	0.077	11:57
BLK	0.000	11:58
CHK	0.077	11:59
BLK	0.000	12:01
CHK	0.077	12:01
BLK	0.000	12:03

**Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010581      Test Number: 1563  
Test Date: 10/11/2013      Test Time: 12:05 EDT

Technician Initials: DBH

Dry Gas Target: 0.019

Lot Number: 0651202011-05      Exp Date: 04/01/2014

Tank Pressure: 75 psi      Barometric Pressure: 728 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:06
BLK	0.000	12:06
CHK	0.019	12:07
BLK	0.000	12:08
CHK	0.019	12:09
BLK	0.000	12:10
CHK	0.019	12:11
BLK	0.000	12:12

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010581      Test Number: 1564

Test Date: 10/11/2013      Test Time: 12:16 EDT

Dry Gas Target: 0.287

Lot Number: AG322702-04      Exp Date: 08/15/2015

Tank Pressure: 193 psi      Barometric Pressure: 728 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:17
CHK	0.290	12:18
BLK	0.000	12:20
CHK	0.290	12:21
BLK	0.000	12:23
CHK	0.289	12:24

Test Status: *Success*

Calibration CRC: 2692676C

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010581      Test Number: 1565  
Test Date: 10/11/2013      Test Time: 12:27 EDT  
Dry Gas Target: 0.096

Lot Number: AG230501-37      Exp Date: 10/31/2014  
Tank Pressure: 1022 psi      Barometric Pressure: 727 mmHg  
System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:27
CHK	0.096	12:28
BLK	0.000	12:30
CHK	0.096	12:31
BLK	0.000	12:32
CHK	0.096	12:33

Test Status: *Success*

Calibration CRC: 2692676C





COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
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**BREATH ANALYSIS**

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>HALL, DONALD, E</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>21250</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>10/11/2013</b>
TEST EQUIPMENT NUMBER <b>010581</b>		

RESULTS: TIME SAMPLE TAKEN 12:42 EDT  
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

**ATTEST:**

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20 \_\_\_\_\_.

BREATH TEST OPERATOR
----------------------

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 11 Oct 2013 at 15:03

TLN  
JBH  
MSK

## Test Results

Instrument Serial Number 010581

Test # 001566 Subject Test

Test Location 1 Department of  
Test Date 11 Oct 2013

Test Location 2 Forensic Science  
Test Time 12:35  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name HALL  
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 11 Oct 2013 End Time 12:43

Result Time 12:42

Result Date 11 Oct 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:36

Data Type BLK

Sample Value 0.000

Sample Time 12:37

Data Type CHK

Sample Value 0.096

Sample Time 12:37

Data Type BLK

Sample Value 0.000

Sample Time 12:39

Data Type SUBJ

Sample Value 0.000

Sample Time 12:40

Data Type BLK

Sample Value 0.000

Sample Time 12:40

Data Type SUBJ

Sample Value 0.000

Sample Time 12:42

Data Type BLK

Sample Value 0.000

Sample Time 12:43

Standard Type Dry Gas Std

Standard Value 0.096

Standard Lot Number AG230501-37

Standard Expiration Date 10/31/2014

Tank Pressure 1012

Barometric Pressure 727 mmHg

Blow Sample Number 1 Blow Duration 3.83 sec

Blow Volume 1885 cc End-of-Blow Time 12:40

Blow Sample Number 2 Blow Duration 3.77 sec

Blow Volume 1851 cc End-of-Blow Time 12:42

Tamper Evident Stamp d9b4920c

Test Status Code 0

Test Status Success